

Oartec DX Service Manual

Adjusting the Bottom Roller Wheels

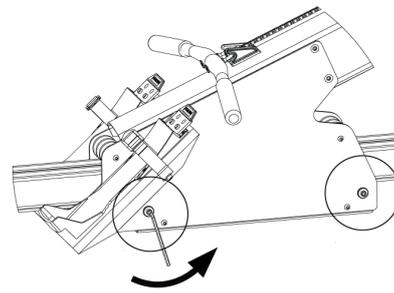
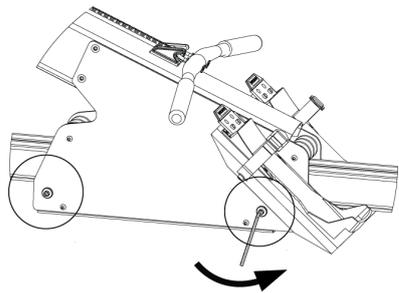
Frequency: As required – check adjustment regularly.

Tools required: 4mm & 5mm Allen Key, 13mm/16mm wrench

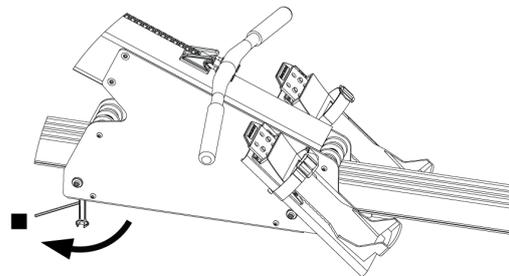
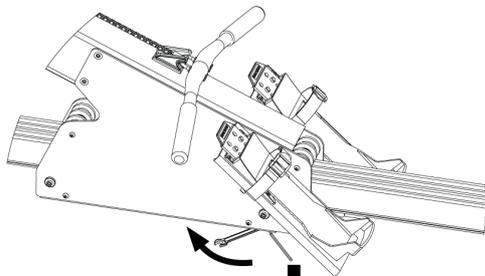
Check regularly the adjustment of the bottom roller wheels for optimal performance and prolonged life of the wheels and rail coating. The dynamic frame should be free to move back and forth quite easily. If the moving unit becomes loose, or wobbly then tuning the bottom roller adjustment is necessary.

Follow the steps outlined below to get the best performance from your DX.

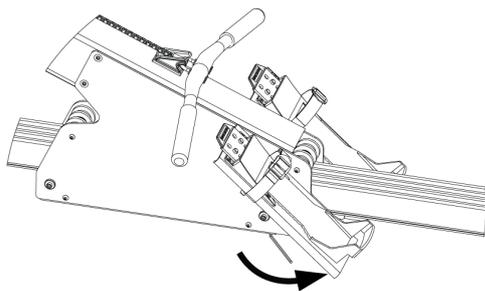
1. Using the 5mm allen key, loosen both front and rear wheel axle bolts on the left hand and right hand side plates. Loosen bolts about a 1/2 to 3/4 turn.



2. Locate the adjuster bolts on the underside of the front assembly. Insert the 4mm allen key into the socket of the rear adjuster bolt and while holding steady in position, use the 13mm end of the 13mm/16mm wrench to loosen in a **clockwise** direction, the roller adjuster locking nut about a 1/2 turn.



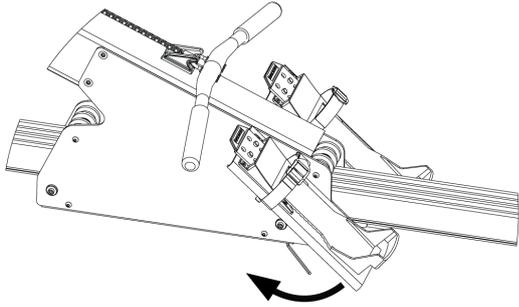
4. Using just the 4mm key, loosen both front and rear rollers in an **anticlockwise** direction until the front assembly moves loosely along the rails.



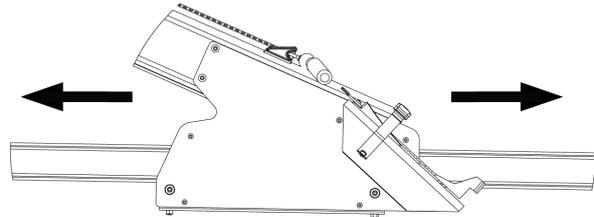
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5. Starting with the rear roller adjuster, use the 4mm allen key to turn the adjuster bolt in a **clockwise** direction. Tighten the rollers until they make firm contact with the rails.

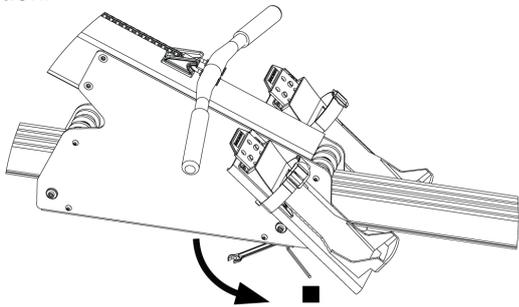
TIP: Do not over tighten the adjustment. The frame should roll freely without excessive friction. Overtightening will cause the rolling frame to be slow and require extra effort to return the machine during the recovery.



6. Test the movement of the front assembly along the rails. It should move freely along the rails but tight enough to have a stable connection to the rails. Make small adjustments to tighten or loosen the roller tension.

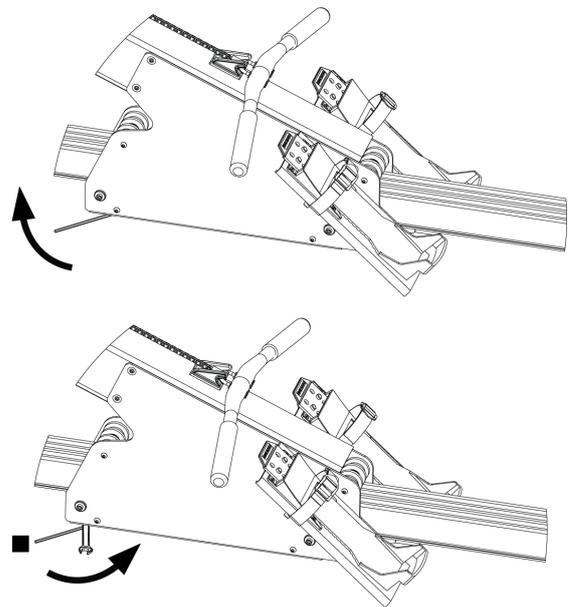


7. Lock the rear roller adjuster by inserting and holding the 4mm key in a steady position in the adjuster bolt. If the adjuster bolt turns while tightening it will alter the adjustment. Using the 13mm wrench, tighten the locking nut in an **anticlockwise** direction.



8. Repeat the same process in steps 5, 6 and 7 for the front rollers.

TIP: The front rollers can be adjusted slightly looser than the rear rear rollers.



9. Test row the DX after adjustment and adjust tuning again if necessary. Finally, tighten the axle side bolts on both side of the front assembly.

